DOUGLAS B

ARTHUR S. GARR

DONALD R. DUNNE BRIAN G. BRUNSVOLD TIPTON D. JENNINGS IV

JERRY D. VOIGHT

HERBERT H. MINTZ

C. LARRY O'ROURKE ALBERT J. SANTORELLI MICHAEL C. ELMER RICHARD H. SMITH

LAURENCE R. HEFTER KENNETH E. PAYNE

STEPHEN L. PETERSON JOHN M. ROMARY BRUCE C. ZOTTER DENNIS P. O'REILLEY

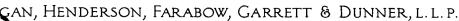
ALLEN M. SOKAL ROBERT D. BAJEFSKY RICHARD L. STROUP

DAVID W. HILL

THOMAS L. IRVING CHARLES E. LIPSE

THOMAS W. WINLAND

THOMAS W. WINLAND BASIL J. LEWRIS MARTIN I. FUCHS E. ROBERT YOCHES BARRY W. GRAHAM SUSAN HABERMAN GRIFFEN



1300 I STREET, N. W. WASHINGTON, DC 20005-3315

> 202-408-4000 FACSIMILE 202-408-4400

AVENUE LOUISE 326, BOX 37 1050 BRUSSELS, BELGIUM

TELEPHONE 011-322-646-0353 FACSIMILE 011-322-646-2135

TORANOMON NO. 45 MORI BUILDING THIRD FLOOR

1.5. TORANOMON 5-CHOME MINATO-KU, TOKYO 105, JAPAN

TELEPHONE 011-813-3431-6943 FACSIMILE 011-813-3431-6945

WRITER'S DIRECT DIAL NUMBER:

(202) 408-4016

April 18, 1997

LORI-ANN JOHNSON R. BRUCE BOWER THOMAS H. MARTIN DAVID L. SOLTZ LISA F. PELLER THALIA V. WARNEMENT MICHELE C. BOSCH HOWARD W. LEVINE LESLIE I. BOOKOFF LINDA S. PAINE-POWELL JOHN R. ALISON BARBARA R. RUDOLPH JEFF E. SCHWARTZ ANTHONY M. GUTOWSKI STEPHEN G. KALINCHAK HOWARD A. KWON JULIA ANNE MATHESON SIMON D. ROBERTS L. SCOTT BURWELL REL S. AMBROZY CHELLIS E. NEAL ALLEN M. LO STEVEN MCCANN® KENNETH E. HORTON\* MICHAEL A. MORIN\* ROBERT L. BURNS\* KATHLEEN M. OLSTER DOUGLAS A. RETTEW\* ESTHER H. LIM MICHAEL T. SIEKMAN JOHN R. THOMAS\* CHRISTIE BATY HEINZE WILLIAM F. RAUCHHOLZ DAVID L. CLARK\* FRANK A. DECOSTA III\*
MARCIA R. MORTON\*
B. BRETT HEAVNER SIMONE L. LONIGAN\* MICHAEL J. FLIBBERT

RICHARD L. RAINEY STEVEN P. O'CONNOR SCOTT A. HERBST YORK M. FAULKNER\* JACQUELINE M. RYALL YITAI HU"
MONICA B. RICHMAN\*
ALAN A. WRIGHT\*
MICHAEL V. KRULJAC\*
BRIAN P. KINNEAR\*
PAOLO M. TREVISAN\*
SCOTT H. BLACKMAN\*
ANDREW C. WARNECKE\*
EDWARD T. SAADI\* YITAI HU-BARRY D. BIDDLE\*
ANTHONY A. DREUX\*
MATTHEW DELGIORNO\* ERIN M. HARRIMAN\* ANITA VARMA\*

COUNSEL ARTHUR J. LEVINE GEORGE E. HUTCHINSON HERBERT W. PATTERSON WILLIAM T. McCLAIN WILFORD L. WISNER ROBERT F. ZIEMS ROBERT J. EICHELBURG ERNEST F. CHAPMAN WAYNE W. HERRINGTON ROBERT A. CAHILL\* LIAM O'GRADY\* CHARLES E. VAN HORN\* JAMES H. DAVIS C. EDWARD GOOD CHARLES S. HALL

PATENT AGENT FRANK E. CAFFOE

\*ADMITTED TO A BAR OTHER THAN DO

ATTORNEY DOCKET NO. 4995.0023

**Box PATENT APPLICATION Assistant Commissioner for Patents** Washington, D.C. 20231

MEYERS

EINAUDI

BARBARA CLARKE McCURDY JAMES K. HAMMOND RICHARD V. BURGUJIAN J. MICHAEL JAKES

JOHN C. LOWE DIRK D. THOMAS THOMAS W. BANKS CHRISTOPHER P. ISAAC

BRYAN C DINER M. PAUL BARKER ANDREW CHANHO SONU

MARK S. SOMMERS

KENNETH M. FRANKEL WILLIAM H. PRATT DAVID S. FORMAN

VINCENT P. KOVALICK

DON O. BURLEY GERSON S. PANITCH JAMES W. EDMONDSON

JEFFREY D. KARCESKI

GLENN E. J. MURPHY MICHAEL L. LEETZOW DAVID A. MANSPEIZER

MICHAEL R MCGURK JEFFREY A. BERKOWITZ CHERI M. TAYLOR

JOANN M. NETH MICHAEL R. KELLY JUDY GARCIA BARRETT MICHAEL J. BELL

LUKE A. KILYK JAMES B. MONROE MICHAEL K. KIRSCHNER DORIS JOHNSON HINES

EN M. ANZALONE ARREL C. KARL\* JEAN BURKE FORDIS

BOYD, JR

New U.S. Patent Application Claiming Re:

the Benefit of U.S. Provisional Patent Application Serial No. 60/015,657, filed April 19, 1996, and U.S. Provisional Patent Application Serial No.

60/015,936, filed April 22, 1996

Title: Histidine-Tagged Intimin and Methods of Using

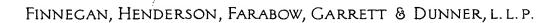
Intimin to Stimulate an Immune Response and as an Antigen Carrier with Targeting Capability

Inventors: Marian L. McKEE et al.

Sir:

We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above-identified patent application.

Application (94 total pages), which includes 1 cover page, 85 pages of specification, 7 pages of claims (17 independent claims, 1 multiple dependent claim, and 54 total claims), abstract, and 18 pages of informal drawings.



Assistant Commissioner for Pat nts April 18, 1997 Page 2

A check for the filing fee of \$2,898.00.

1

United States Application Provisional Serial No. 60/015,657 ('the '657 application) was filed on April 19, 1996, as a provisional application under 37 C.F.R. § 1.53(b)(2)(i). United States Application Provisional Serial No. 60/015,936 (the '936 application) was filed on April 22, 1996, as a provisional application under 37 C.F.R. § 1.53(b)(2)(i).

Applicants now file the present application and claim the benefit of the **provisional** '936 and '657 applications under 35 U.S.C. § 119(e)(1).

Please accord this application a serial number and filing date.

The Commissioner is hereby authorized to charge any fees due under 37 C.F.R. § 1.16 or § 1.17 (except the filing fee) during the pendency of this application to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Jean B. Fordis

Reg. No. 32,984

JBF/KMO/ldc Enclosures (Application papers and filing fee check)